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ABSTRACT OF THE DISCLOSURE

In a conventional system to which a plurality of devices are connected by a serial bus, the throughput of the network decreases due to transfer of a large amount of data. In this invention, a controller connected to the devices via a 1394 serial bus calculates a band width necessary for data transfer in a specific one of the devices, ensures the first channel corresponding to the band width, and transfers data to the specific device using the first channel. This enables preferential data transfer to the specific device to avoid a decrease in throughput.

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